Restricted to near coastal localities on secondary or tertiary dunes behind Coastal Dune Scrub. Usually dominated by a woodland overstorey of Coast Banksia *Banksia integrifolia* to 15 m tall over a medium shrub layer. The understorey consists of a number of herbs and sedges, including scramblers.

#### Large trees:

 Species
 DBH(cm)
 #/ha

 Banksia spp.
 50 cm
 10 / ha

EVC 2: Coast Banksia Woodland

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name15%Banksia integrifolia ssp. integrifoliaCoast Banksia

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	15%	T
Medium Shrub	3	30%	MS
Large Herb	2	1%	LH
Medium Herb	3	15%	MH
Small or Prostrate Herb	2	10%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	2	1%	MTG
Ground Fern	1	5%	GF
Scrambler or Climber	1	5%	SC
Bryophytes/Lichens	na	10%	BL

LF Code	Species typical of at least part of EVC range	Common Name
	· · · · · · · · · · · · · · · · · · ·	
T	Myoporum insulare	Common Boobialla
T	Acacia longifolia ssp. sophorae	Coast Wattle
MS	Rhagodia candolleana ssp. candolleana	Seaberry Saltbush
MS	Melaleuca ericifolia	Swamp Paperbark
MS	Leptospermum laevigatum	Coast Tea-tree
MS	Monotoca elliptica s.l.	Tree Broom-heath
LH	Senecio linearifolius	Fireweed Groundsel
LH	Urtica incisa	Scrub Nettle
MH	Senecio biserratus	Jagged Fireweed
MH	Lobelia anceps	Angled Lobelia
MH	Sambucus gaudichaudiana	White Elderberry
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
SH	Dichondra repens	Kidney-weed
SH	Apium prostratum ssp. prostratum	Sea Celery
LTG	Carex appressa	Tall Sedge
MTG	Lepidosperma gladiatum	Coast Sword-sedge
MTG	Isolepis inundata	Swamp Club-sedge
MNG	Ficinia nodosa	Knobby Club-sedge
GF	Pteridium esculentum	Austral Bracken
SC	Tetragonia implexicoma	Bower Spinach
SC	Galium australe	Tangled Bedstraw



# EVC 2: Coast Banksia Woodland - Strzelecki Ranges bioregion

#### **Recruitment:**

Episodic/Fire. Desirable period between disturbances is 30 years.

#### **Organic Litter:**

40 % cover

#### Logs:

10 m/0.1 ha.

#### Weediness:

LF Code	Typical Weed Species	<b>Common Name</b>	Invasive	Impact
LH	Senecio jacobaea	Ragwort	high	high
LH	Conyza bonariensis	Flaxleaf Fleabane	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	low

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EVC 6: Sand Heathland

#### **Description:**

Treeless heathland (or with occasional emergent mallee-form eucalypts and/or Banksias) occurring on deep infertile sands. Consists of a low, dense heathy shrub layer and a number of sedges and sedge-like species. Grasses and herbs are notably absent or infrequent.

#### **Life Forms:**

Life form	#Spp	%Cover	LF code
Medium Shrub	7	55%	MS
Small Shrub	4	10%	SS
Medium Herb	3	5%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	15%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

LF Code	Species typical of at least part of EVC range	<b>Common Name</b>
MS	Epacris impressa	Common Heath
MS	Banksia marginata	Silver Banksia
MS	Leptospermum continentale	Prickly Tea-tree
MS	Leptospermum myrsinoides	Heath Tea-tree
SS	Dillwynia glaberrima	Smooth Parrot-pea
SS	Platylobium obtusangulum	Common Flat-pea
SS	Hibbertia fasciculata var. prostrata	Bundled Guinea-flower
SS	Leucopogon virgatus	Common Beard-heath
MH	Gonocarpus humilis	Shade Raspwort
MH	Drosera peltata ssp. auriculata	Tall Sundew
LNG	Gahnia radula	Thatch Saw-sedge
LTG	Xanthorrhoea minor ssp. lutea	Small Grass-tree
MTG	Lepidosperma concavum	Sandhill Sword-sedge
MNG	Hypolaena fastigiata	Tassel Rope-rush
MNG	Schoenus brevifolius	Zig-zag Bog-sedge
GF	Pteridium esculentum	Austral Bracken

#### **Recruitment:**

Episodic/Fire. Desirable period between disturbances is 30 years.

## **Organic Litter:**

20% cover

#### Weediness:

There are no consistent weeds in this EVC.





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# EVC 8: Wet Heathland

#### **Description:**

A low, generally treeless heathland although sometimes emergent eucalypts may be present. Occurs on lower slopes, flats or depressions, which are infertile and subjected to prolonged water logging. Understorey is often dominated a range of sedges, grasses and shrubs.

#### **Life Forms:**

Life form	#Spp	%Cover	LF code
Medium Shrub	6	40%	MS
Small Shrub	3	5%	SS
Prostrate Shrub	1	1%	PS
Medium Herb	3	5%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	2	10%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	3	20%	MNG
Ground Fern	1	5%	GF
Bryophytes/Lichens	na	20%	BL

LF Code MS	Species typical of at least part of EVC range Melaleuca squarrosa	<b>Common Name</b> Scented Paperbark
MS	Leptospermum continentale	Prickly Tea-tree
MS	Allocasuarina paludosa	Scrub Sheoak
MS	Banksia marginata	Silver Banksia
SS	Platylobium obtusangulum	Common Flat-pea
SS	Hibbertia acicularis	Prickly Guinea-flower
SS	Dillwynia glaberrima	Smooth Parrot-pea
SS	Pultenaea stricta	Rigid Bush-pea
MH	Gonocarpus humilis	Shade Raspwort
MH	Gonocarpus tetragynus	Common Raspwort
LNG	Gahnia radula	Thatch Saw-sedge
MNG	Schoenus brevifolius	Zig-zag Bog-sedge
MNG	Schoenus lepidosperma	Slender Bog-sedge
MNG	Leptocarpus tenax	Slender Twine-rush
MNG	Baumea juncea	Bare Twig-sedge
SC	Cassytha glabella	Slender Dodder-laurel

#### **Recruitment:**

Episodic/Fire. Desirable period between disturbances is 30 years.

## **Organic Litter:**

20% cover

#### Weediness:

There are no consistent weeds in this EVC.





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**EVC 16: Lowland Forest** 

Open forest to 25 m tall. It grows on a wide variety of geology and soils mostly on north and north westerly aspects. Characterised by an often heathy understorey with a variety of other life forms including shrubs, grasses and herbs.

#### Large trees:

**Description:** 

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name30%Eucalyptus obliquaMessmate StringybarkEucalyptus croajingolensisGippsland PeppermintEucalyptus sieberiSilvertop AshEucalyptus radiata s.l.Narrow-leaf Peppermint

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	8	35%	MS
Small Shrub	4	10%	SS
Prostrate Shrub	1	1%	PS
Medium Herb	6	10%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	10%	LTG
Large Non-tufted Graminoid	2	10%	LNG
Medium to Small Tufted Graminoid	3	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	2	15%	GF
Scrambler or Climber	3	5%	SC
Bryophytes/Lichens	na	10%	BL



# EVC 16: Lowland Forest - Strzelecki Ranges bioregion

LF Code	Species typical of at least part of EVC range	<b>Common Name</b>
T	Exocarpos cupressiformis	Cherry Ballart
T	Acacia melanoxylon	Blackwood
MS	Epacris impressa	Common Heath
MS	Acacia mucronata ssp. longifolia	Narrow-leaf Wattle
MS	Olearia lirata	Snowy Daisy-bush
MS	Leptospermum continentale	Prickly Tea-tree
SS	Amperea xiphoclada var. xiphoclada	Broom Spurge
SS	Pimelea humilis	Common Rice-flower
SS	Lomatia ilicifolia	Holly Lomatia
SS	Bauera rubioides	Wiry Bauera
LH	Pterostylis longifolia s.l.	Tall Greenhood
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Gonocarpus tetragynus	Common Raspwort
MH	Drosera peltata	Pale Sundew
SH	Hydrocotyle laxiflora	Stinking Pennywort
SH	Opercularia varia	Variable Stinkweed
LTG	Xanthorrhoea minor ssp. lutea	Small Grass-tree
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LNG	Tetrarrhena juncea	Forest Wire-grass
LNG	Gahnia radula	Thatch Saw-sedge
MTG	Lepidosperma laterale	Variable Sword-sedge
MTG	Lomandra filiformis ssp. filiformis	Wattle Mat-rush
MTG	<i>Poa australis</i> spp. agg.	Tussock Grass
MTG	Dianella caerulea var. caerulea	Paroo Lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Poa tenera	Slender Tussock-grass
GF	Pteridium esculentum	Austral Bracken
EP	Muellerina eucalyptoides	Creeping Mistletoe
SC	Billardiera scandens	Common Apple-berry
SC	Clematis aristata	Mountain Clematis
SC	Pandorea pandorana	Wonga Vine

#### **Recruitment:**

Continuous

#### **Organic Litter:**

40 % cover

#### Logs:

20 m/0.1 ha.

#### Weediness:

LF Code **Typical Weed Species Common Name Invasive Impact** МН Cat's Far Hypochoeris radicata high low

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EVC 18: Riparian Forest

A tall forest to 30 m tall of river banks and associated alluvial terraces with occasional occurrences in the heads of gullies leading into creeks and rivers. The soil is fertile alluvium, regularly inundated and permanently moist. Dominated by tall eucalypts but also has an open to sparse secondary tree layer of wattles and scattered dense patches of shrubs, ferns, grasses and herbs.

#### Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 80 cm
 20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name40%Eucalyptus obliqua<br/>Eucalyptus viminalis ssp. viminalis<br/>Eucalyptus strzeleckiiMessmate Stringybark<br/>Manna Gum<br/>Strzelecki Gum

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	4	20%	T
Medium Shrub	8	20%	MS
Small Shrub	1	1%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	1%	LH
Medium Herb	6	10%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	3	10%	LTG
Large Non-tufted Graminoid	2	5%	LNG
Medium to Small Tufted Graminoid	3	5%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Ground Fern	5	20%	GF
Tree Fern	2	10%	TRF
Scrambler or Climber	3	5%	SC
Bryophytes/Lichens	na	20%	BL



# EVC 18: Riparian Forest - Strzelecki Ranges bioregion

LF Code	Species typical of at least part of EVC range	<b>Common Name</b>
T	Acacia dealbata	Silver Wattle
T	Pomaderris aspera	Hazel Pomaderris
T	Acacia melanoxylon	Blackwood
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Prostanthera lasianthos	Victorian Christmas-bush
MS	Goodenia ovata	Hop Goodenia
MS	Olearia lirata	Snowy Daisy-bush
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Hydrocotyle hirta	Hairy Pennywort
MH	Geranium potentilloides	Cinquefoil Cranesbill
SH	Oxalis corniculata s.l.	Yellow Wood-sorrel
LTG	Carex appressa	Tall Sedge
LTG	Lepidosperma elatius	Tall Sword-sedge
LTG	Gahnia sieberiana	Red-fruit Saw-sedge
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Poa australis spp. agg.	Tussock Grass
MTG	Dianella tasmanica	Tasman Flax-lily
MTG	Isolepis inundata	Swamp Club-sedge
MNG	Poa tenera	Slender Tussock-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Blechnum nudum	Fishbone Water-fern
GF	Pteridium esculentum	Austral Bracken
GF	Blechnum wattsii	Hard Water-fern
GF	Polystichum proliferum	Mother Shield-fern
TRF	Cyathea australis	Rough Tree-fern
TRF	Dicksonia antarctica	Soft Tree-fern
SC	Clematis aristata	Mountain Clematis

#### **Recruitment:**

Continuous

#### **Organic Litter:**

50 % cover

#### Logs:

30 m/0.1 ha.

#### Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rubus fruticosus spp. agg.	Blackberry	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	low

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## EVC 23: Herb-rich Foothill Forest

#### **Description:**

Occurs on relatively fertile, moderately well-drained soils on an extremely wide range of geological types and in areas of moderate to high rainfall. Occupies easterly and southerly aspects mainly on lower slopes and in gullies. A medium to tall open forest or woodland to 25 m tall with a small tree layer over a sparse to dense shrub layer. A high cover and diversity of herbs and grasses in the ground layer characterise this EVC.

#### Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name40%Eucalyptus obliqua<br/>Eucalyptus cypellocarpaMessmate Stringybark<br/>Mountain Grey-gum

#Spp	%Cover	LF code
	5%	IT
2	15%	T
5	20%	MS
3	5%	LH
9	15%	MH
2	5%	SH
3	15%	LTG
2	5%	LNG
3	10%	MTG
2	5%	MNG
2	10%	GF
3	5%	SC
na	20%	BL
	2 5 3 9 2 3 2 3 2 2 3	5% 2 15% 5 20% 3 5% 9 15% 2 5% 3 15% 2 5% 3 10% 2 5% 3 10% 2 5% 3 5% 3 5%



# EVC 23: Herb-rich Foothill Forest - Strzelecki Ranges bioregion

LF Code	Species typical of at least part of EVC range	<b>Common Name</b>
T	Acacia melanoxylon	Blackwood
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Acacia verniciflua	Varnish Wattle
MS	Ozothamnus ferrugineus	Tree Everlasting
MS	Cassinia longifolia	Shiny Cassinia
LH	Senecio linearifolius	Fireweed Groundsel
LH	Wahlenbergia gracilis s.l.	Sprawling Bluebell
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Lagenophora stipitata	Common Bottle-daisy
MH	Acaena novae-zelandiae	Bidgee-widgee
SH	Oxalis corniculata s.l.	Yellow Wood-sorrel
SH	Galium propinquum	Maori Bedstraw
SH	Dichondra repens	Kidney-weed
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Carex appressa	Tall Sedge
LTG	Poa labillardierei	Common Tussock-grass
LNG	Tetrarrhena juncea	Forest Wire-grass
LNG	Gahnia radula	Thatch Saw-sedge
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Poa sieberiana	Grey Tussock-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Echinopogon ovatus	Common Hedgehog-grass
GF	Pteridium esculentum	Austral Bracken
SC	Clematis aristata	Mountain Clematis
SC	Billardiera scandens	Common Apple-berry
SC	Pandorea pandorana	Wonga Vine
SC	Glycine clandestina	Twining Glycine

#### **Recruitment:**

Continuous

#### **Organic Litter:**

40 % cover

#### Logs:

20 m/0.1 ha.

#### Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low
MH	Plantago major	Greater Plantain	high	low
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high

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Grows on a wide range of geologies on well-developed generally colluvial soils on a variety of aspects, from sea level to montane elevations. Dominated by a tall eucalypt tree layer to 30 m tall over a medium to tall dense shrub layer of broad-leaved species typical of wet forest mixed with elements from dry forest types. The ground layer includes herbs and grasses as well as a variety of moisture-dependent ferns.

#### Large trees:

**Species DBH(cm)**#/ha
Eucalyptus spp.
90 cm
20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name40%Eucalyptus obliqua<br/>Eucalyptus globulus ssp. bicostata<br/>Eucalyptus cypellocarpaMessmate Stringybark<br/>Eurabbie<br/>Mountain Grey Gum

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	4	20%	T
Medium Shrub	6	30%	MS
Small Shrub	1	1%	SS
Large Herb	2	1%	LH
Medium Herb	8	10%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	1	1%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	3	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	3	10%	GF
Tree Fern	1	5%	TRF
Scrambler or Climber	3	5%	SC
Bryophytes/Lichens	na	20%	BL

LF Code  T T T MS MS MS MS MS LH MH MH MH MH MH MH GH GF GF GF	Species typical of at least part of EVC range Acacia melanoxylon Pomaderris aspera Olearia argophylla Coprosma quadrifida Olearia lirata Goodenia ovata Cassinia aculeata Senecio linearifolius Viola hederacea sensu Willis (1972) Geranium potentilloides Acaena novae-zelandiae Stellaria flaccida Lomandra longifolia Tetrarrhena juncea Lepidosperma laterale Microlaena stipoides var. stipoides Pteridium esculentum Polystichum proliferum Calochlaena dubia	Common Name Blackwood Hazel Pomaderris Musk Daisy-bush Prickly Currant-bush Snowy Daisy-bush Hop Goodenia Common Cassinia Fireweed Groundsel Ivy-leaf Violet Cinquefoil Cranesbill Bidgee-widgee Forest Starwort Spiny-headed Mat-rush Forest Wire-grass Variable Sword-sedge Weeping Grass Austral Bracken Mother Shield-fern Common Ground-fern
GF	Polystichum proliferum	Mother Shield-fern
GF TRF SC SC	Calochlaena dubia Cyathea australis Clematis aristata Pandorea pandorana	Common Ground-fern Rough Tree-fern Mountain Clematis Wonga Vine



# EVC 29: Damp Forest - Strzelecki Ranges bioregion

#### **Recruitment:**

Continuous

#### **Organic Litter:**

50 % cover

#### Logs:

30 m/0.1 ha.

#### Weediness:

LF Code	Typical Weed Species	<b>Common Name</b>	Invasive	Impact
MS	Rubus fruticosus spp. agg.	Blackberry	high	high
LH	Cirsium vulgare	Spear Thistle	high	high
LH	Senecio jacobaea	Ragwort	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	low

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## EVC 30: Wet Forest

#### **Description:**

Grows on fertile, well-drained loamy soils on a range of geologies and elevation levels. It is largely restricted to protected sites in gullies and on southern aspects of hills and mountains where rainfall is high and cloud cover at ground level is frequent. Characterised by a tall eucalypt overstorey to 30 m tall with scattered understorey trees over a tall broad-leaved shrubby understorey and a moist, shaded, fern-rich ground layer that is usually dominated by tree-ferns.

#### Large trees:

SpeciesDBH(cm)#/haEucalyptus spp.90 cm20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name40%Eucalyptus regnansMountain AshEucalyptus globulus s.l.Blue GumEucalyptus obliquaMessmate Stringybark

Life form	#Spp	%Cover	LF code
Immature Canopy Tree	• •	5%	IT
Understorey Tree or Large Shrub	4	30%	T
Medium Shrub	3	15%	MS
Medium Herb	3	5%	MH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	10%	LNG
Ground Fern	4	20%	GF
Tree Fern	2	20%	TRF
Epiphyte	2	1%	EP
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL

LF Code  T  T  T	Species typical of at least part of EVC range Olearia argophylla Acacia dealbata Pomaderris aspera Bedfordia arborescens	Common Name Musk Daisy-bush Silver Wattle Hazel Pomaderris Blanket-leaf
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Hedycarya angustifolia	Austral Mulberry
MS	Olearia lirata	Snowy Daisy-bush
MH	Australina pusilla ssp. muelleri	Shade Nettle
MH	Sambucus gaudichaudiana	White Elderberry
MH	Hydrocotyle hirta	Hairy Pennywort
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
LTG	Lepidosperma elatius	Tall Sword-sedge
LNG	Tetrarrhena juncea	Forest Wire-grass
GF	Polystichum proliferum	Mother Shield-fern
GF	Grammitis billardierei	Common Finger-fern
GF	Asplenium bulbiferum ssp. gracillimum	Mother Spleenwort
GF	Pteridium esculentum	Austral Bracken
TRF	Cyathea australis	Rough Tree-fern
TRF	Dicksonia antarctica	Soft Tree-fern
EP	Microsorum pustulatum ssp. pustulatum	Kangaroo Fern
EP	Fieldia australis	Fieldia
SC	Clematis aristata	Mountain Clematis
SC	Pandorea pandorana	Wonga Vine



## EVC 30: Wet Forest - Strzelecki Ranges bioregion

Recruitment:

Continuous

**Organic Litter:** 

50 % cover

30 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species Common Name** Invasive **Impact** Rubus fruticosus spp. agg. Blackberry

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Closed non-eucalypt forest to 25 m tall with occasional eucalypt emergents. Occurs in high rainfall areas protected from fire within Wet Forest. The understorey characterised by tree ferns and a rich epiphytic flora. The ground layer is dominated by a diversity of ground ferns.

#### Large trees:

DBH(cm) #/ha **Species** Nothofagus/Atherosperma 70 cm 20 / ha

#### **Tree Canopy Cover:**

**Character Species Common Name** %cover 50% Nothofagus cunninghamii Myrtle Beech Southern Sassafras Atherosperma moschatum Acacia melanoxylon Blackwood

#### **Understorey:**

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	2	5%	MS
Large Herb	2	5%	LH
Medium Herb	2	5%	MH
Ground Fern	6	15%	GF
Tree Fern	3	40%	TRF
Epiphyte	5	5%	EP
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	40%	BL

#### **LF Code** Species typical of at least part of EVC range **Common Name** Olearia argophylla Musk Daisy-bush MS Hedycarya angustifolia Austral Mulberry LH Urtica incisa Scrub Nettle Australina pusilla ssp. muelleri Shade Nettle MH

GF Polystichum proliferum GF Grammitis billardierei GF Asplenium bulbiferum ssp. gracillimum Blechnum wattsii GF **TRF** Dicksonia antarctica **TRF** R v Cyathea cunninghamii TRF v Cyathea X marcescens ΕP Microsorum pustulatum ssp. pustulatum

Kangaroo Fern Fieldia australis Fieldia Rumohra adiantiformis Leathery Shield-fern Veined Bristle-fern

ΕP Crepidomanes venosum ΕP

SC Clematis aristata

#### **Recruitment:**

Continuous

#### **Organic Litter:**

50 % cover

#### Logs:

ΕP

20 m/0.1 ha.

#### Weediness:

There are no consistent weeds in this EVC.



Mother Shield-fern

Mother Spleenwort

Hard Water-fern

Slender Tree-fern Skirted Tree-fern

Mountain Clematis

Soft Tree-fern

Common Finger-fern



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## **EVC 32: Warm Temperate Rainforest**

#### **Description:**

Closed forest to 25 m tall restricted to the lowlands where it grows on protected slopes adjacent to streams and along minor gullies. Dominated by a range of non-eucalypt canopy species above an understorey of smaller trees and shrubs and usually visually dominated by ferns and climbers.

#### Large trees:

SpeciesDBH(cm)#/haVarious spp.70 cm20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name50%Hedycarya angustifoliaAustral MulberryAcacia melanoxylonBlackwoodPomaderris asperaHazel PomaderrisPittosporum undulatumSweet PittosporumRapanea howittianaMuttonwood

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	3	30%	T
Medium Shrub	2	15%	MS
Large Herb	1	1%	LH
Medium Herb	3	5%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	4	15%	GF
Tree Fern	1	5%	TRF
Epiphyte	1	1%	EP
Scrambler or Climber	3	20%	SC
Bryophytes/Lichens	na	20%	BL



## EVC 32: Warm Temperate Rainforest – Strzelecki Ranges bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Olearia argophylla	Musk Daisy-bush
T	Prostanthera lasianthos	Victorian Christmas-bush
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Olearia lirata	Snowy Daisy-bush
MS	Polyscias sambucifolia	Elderberry Panax
LH	Urtica incisa	Scrub Nettle
MH	Sambucus gaudichaudiana	White Elderberry
MH	Stellaria flaccida	Forest Starwort
MH	Austrocynoglossum latifolium	Forest Hound's-tongue
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
SH	Hydrocotyle laxiflora	Stinking Pennywort
SH	Dichondra repens	Kidney-weed
LTG	Carex appressa	Tall Sedge
LTG	Lepidosperma elatius	Tall Sword-sedge
LNG	Tetrarrhena juncea	Forest Wire-grass
MNG	Echinopogon ovatus	Common Hedgehog-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Polystichum proliferum	Mother Shield-fern
GF	Asplenium flabellifolium	Necklace Fern
GF	Pellaea falcata s.l.	Sickle Fern
GF	Lastreopsis acuminata	Shiny Shield-fern
TRF	Cyathea australis	Rough Tree-fern
TRF	Dicksonia antarctica	Soft Tree-fern
EP	Microsorum scandens	Fragrant Fern
SC	Pandorea pandorana	Wonga Vine
SC	Clematis glycinoides	Forest Clematis
SC	Parsonsia brownii	Twining Silkpod

#### Recruitment:

Continuous

#### **Organic Litter:**

50 % cover

## Logs:

20 m/0.1 ha.

#### Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
SS	Rubus fruticosus spp. agg.	Blackberry	high	high
LH	Solanum nigrum sensu Willis (1972)	Black Nightshade	high	low
LH	Hypericum androsaemum	Tutsan	high	low

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Occurs on ridges and drier northerly and westerly slopes in association with Damp Forest (on sheltered slopes) on moderately fertile soils and at a range of elevations. The overstorey is a medium eucalypt forest to 25 m tall over an understorey characterised by a distinctive middle strata dominated by a diversity of narrow-leaved shrubs and a paucity of ferns, graminoids and herbs in the ground stratum.

#### Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name40%Eucalyptus obliqua<br/>Eucalyptus sieberi<br/>Eucalyptus cypellocarpa<br/>Eucalyptus radiata s.l.Messmate Stringybark<br/>Silvertop Ash<br/>Mountain Grey Gum<br/>Narrow-leaf Peppermint

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	8	35%	MS
Small Shrub	4	15%	SS
Prostrate Shrub	1	5%	PS
Medium Herb	3	5%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	10%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Ground Fern	2	10%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		90%	

LF Code	Species typical of at least part of EVC range Exocarpos cupressiformis	Common Name Cherry Ballart
I MC		•
MS	Spyridium parvifolium	Dusty Miller
MS	Goodenia ovata	Hop Goodenia
MS	Acacia verticillata	Prickly Moses
MS	Acacia mucronata ssp. longifolia	Narrow-leaf Wattle
SS	Amperea xiphoclada var. xiphoclada	Broom Spurge
SS	Tetratheca ciliata	Pink-bells
SS	Lomatia ilicifolia	Holly Lomatia
SS	Platylobium formosum	Handsome Flat-pea
PS	Acrotriche prostrata	Trailing Ground-berry
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Gonocarpus tetragynus	Common Raspwort
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Poa australis spp. agg.	Tussock Grass
MTG	Lepidosperma laterale	Variable Sword-sedge
GF	Pteridium esculentum	Austral Bracken
SC	Billardiera scandens	Common Apple-berry



# EVC 45: Shrubby Foothill Forest - Strzelecki Ranges bioregion

#### **Recruitment:**

Episodic/Fire. Desirable period between disturbances is 30 years.

#### **Organic Litter:**

40 % cover

#### Logs:

20 m/0.1 ha.

#### Weediness:

There are no consistent weeds in this EVC.

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## EVC 48: Heathy Woodland

#### **Description:**

Spans a variety of geologies but is generally associated with nutrient-poor soils including deep uniform sands (aeolian or outwash) and Tertiary sand/clay which has been altered to form quartzite gravel. Eucalypt-dominated low woodland to 10 m tall lacking a secondary tree layer and generally supporting a diverse array of narrow or ericoid-leaved shrubs except where frequent fire has reduced this to a dense cover of bracken. Geophytes and annuals can be quite common but the ground cover is normally fairly sparse.

#### Large trees:

Species DBH(cm) #/ha
Eucalyptus spp. 50 cm 15 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name10%Eucalyptus willisiiJimmy's Shining PeppermintEucalyptus obliquaMessmate StringybarkEucalyptus radiata s.l.Narrow-leaf PeppermintEucalyptus viminalis ssp. pryorianaRough-barked Manna Gum

#### **Understorey:**

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Medium Shrub	5	30%	MS
Small Shrub	5	20%	SS
Medium Herb	2	5%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	1	1%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	1	5%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		75%	

LF Code	Species typical of at least part of EVC range	Commo
MS	Epacris impressa	Common
MS	Leptospermum myrsinoides	Heath Te
MS	l entospermum continentale	Prickly To

xiphoclada

1 10	zeptospermam comunem
MS	Monotoca scoparia
SS	<i>Amperea xiphoclada</i> var.
SS	Leucopogon virgatus
SS	Dillwynia glaberrima
LTG	Gahnia sieberiana
MNG	Hypolaena fastigiata
SC	Cassytha glabella

#### **Recruitment:**

Episodic/Fire. Desirable period between disturbances is 20 years.

#### **Organic Litter:**

40 % cover

#### Logs:

15 m/0.1 ha.

#### Weediness

There are no consistent weeds in this EVC.

#### **Common Name**

Common Heath
Heath Tea-tree
Prickly Tea-tree
Prickly Broom-heath
Broom Spurge
Common Beard-heath
Smooth Parrot-pea
Red-fruit Saw-sedge
Tassel Rope-rush
Slender Dodder-laurel





Closed scrub to 8 m tall at low elevations on alluvial deposits along streams or on poorly drained sites with higher nutrient availability. The vegetation characteristically lacks a eucalypt overstorey and is dominated by Swamp Paperbark *Melaleuca ericifolia* which often forms a dense thicket, out-competing other species. Where light penetrates to ground level, a moss/lichen/liverwort or herbaceous ground cover is often present. Dry variants have a grassy/herbaceous ground layer.

#### **Tree Canopy Cover:**

%cover	Character Species	Common Name
70%	Melaleuca ericifolia	Swamp Paperbark

#### Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	2	10%	MS
Small Shrub	2	1%	SS
Large Herb	2	1%	LH
Medium Herb	3	15%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	3	10%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	15%	MNG
Ground Fern	1	5%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	20%	BL

MS MS LH LH LH MH MH SH LTG LTG LNG LNG MTG	Species typical of at least part of EVC range Coprosma quadrifida Leptospermum continentale Lycopus australis Lythrum salicaria Persicaria praetermissa Hydrocotyle pterocarpa Stellaria angustifolia Lobelia anceps Crassula helmsii Juncus procerus Poa labillardierei Gahnia radula Phragmites australis Baumea rubiginosa s.l. Triglochin procerum s.l.	Common Name Prickly Currant-bush Prickly Tea-tree Australian Gipsywort Purple Loosestrife Spotted Knotweed Wing Pennywort Swamp Starwort Angled Lobelia Swamp Crassula Tall Rush Common Tussock-grass Thatch Saw-sedge Common Reed Soft Twig-rush Water Ribbons
	Baumea rubiginosa s.l.	S .
MTG MNG GF SC	Juncus gregiflorus Eleocharis acuta Blechnum cartilagineum Calystegia sepium	Green Rush Common Spike-sedge Gristle Fern Large Bindweed



## EVC 53: Swamp Scrub - Strzelecki Ranges bioregion

#### Recruitment:

Continuous

#### **Organic Litter:**

40 % cover

#### Weediness:

**LF Code Typical Weed Species Common Name** Invasive **Impact** МН Hypochoeris radicata Cat's Ear low low LNG Holcus lanatus Yorkshire Fog high high

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An open, eucalypt woodland to 15 m tall occurring on a number of geologies and soil types. Occupies poorly drained, fertile soils on flat or gently undulating plains at low elevations. The understorey consists of a few sparse shrubs over a species-rich grassy and herbaceous ground layer.

#### Large trees:

**Species DBH(cm)**#/ha
Eucalyptus spp.
80 cm
10 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name20%Eucalyptus tereticornis ssp. mediana<br/>Eucalyptus camaldulensisGippsland Red-gum<br/>River Red-gum

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	2	10%	MS
Small Shrub	1	1%	SS
Prostrate Shrub	1	1%	PS
Large Herb	1	5%	LH
Medium Herb	10	20%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	1	10%	LNG
Medium to Small Tufted Graminoid	9	35%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Bryophytes/Lichens	na	10%	BL

LF Code T T	Species typical of at least part of EVC range Allocasuarina littoralis Acacia mearnsii	<b>Common Name</b> Black Sheoak Black Wattle
Т	Acacia melanoxylon	Blackwood
MS	Kunzea ericoides	Burgan
SS	Pimelea humilis	Common Rice-flower
PS	Bossiaea prostrata	Creeping Bossiaea
MH	Hypericum gramineum	Small St John's Wort
MH	Oxalis perennans	Grassland Wood-sorrel
SH	Dichondra repens	Kidney-weed
SH	Poranthera microphylla	Small Poranthera
LTG	Austrostipa rudis	Veined Spear-grass
LNG	Gahnia radula	Thatch Saw-sedge
MTG	Themeda triandra	Kangaroo Grass
MTG	Carex breviculmis	Common Grass-sedge
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Schoenus apogon	Common Bog-sedge
MNG	Microlaena stipoides var. stipoides	Weeping Grass



# EVC 55: Plains Grassy Woodland – Strzelecki Ranges bioregion

#### **Recruitment:**

Continuous

#### **Organic Litter:**

10 % cover

#### Logs:

10 m/0.1 ha.

#### Weediness:

vecuiiess.				
LF Code	Typical Weed Species	Common Name	Invasive	<b>Impact</b>
LH	Plantago lanceolata	Ribwort	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high
MNG	Romulea rosea	Onion Grass	high	low
MNG	Briza maxima	Large Quaking-grass	high	low
MNG	Briza minor	Lesser Quaking-grass	high	low

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Occurs in areas of low site quality on exposed rocky outcrops where rock is a dominant landform feature, soils are shallow or virtually absent and effective rainfall is low. Shrubland to 2 m tall with occasional emergent trees interspersed with discrete shrubless areas dominated by herbs and bryophytes/lichens characterise this EVC mosaic. Commonly, the shrubland and herbland components of this mosaic cannot be separated at the site scale.

#### Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	7	25%	MS
Small Shrub	3	10%	SS
Large Herb	2	5%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	10%	S/C

LF Code	Species typical of at least part of EVC range	Common Name
MS	Kunzea ericoides	Burgan
MS	Monotoca scoparia	Prickly Broom-heath
MS	Hovea pannosa s.l.	Mountain Beauty
MS	Brachyloma daphnoides	Daphne Heath
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Dillwynia phylicoides	Small-leaf Parrot-pea
SS	Rhytidosporum procumbens	White Marianth
SS	Acacia gunnii	Ploughshare Wattle
PS	Platylobium formosum	Handsome Flat-pea
PS	Persoonia chamaepeuce	Dwarf Geebung
LH	Senecio tenuiflorus	Slender Fireweed
LH	Derwentia perfoliata	Digger's Speedwell
LH	Wahlenbergia multicaulis	Branching Bluebell
LH	Senecio pinnatifolius	Variable Groundsel
MH	Stellaria pungens	Prickly Starwort
MH	Helichrysum scorpioides	Button Everlasting
MH	Gonocarpus tetragynus	Common Raspwort
SH	Crassula sieberiana	Sieber Crassula
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Joycea pallida	Silvertop Wallaby-grass
LTG	Austrodanthonia induta	Shiny Wallaby-grass
MTG	Poa sieberiana	Grey Tussock-grass
MTG	Poa labillardierei	Common Tussock-grass
MTG	Carex breviculmis	Short-stem Sedge
MTG	Austrodanthonia racemosa var. racemosa	Stiped Wallaby-grass
GF	Cheilanthes austrotenuifolia	Green Rock-fern
GF	Asplenium flabellifolium	Necklace Fern



## EVC 73: Rocky Outcrop Shrubland/Rocky Outcrop Herbland Mosaic -Strzelecki Ranges bioregion

#### Recruitment:

Continuous

#### **Organic Litter:**

10% cover

#### Logs:

5 m/0.1 ha. (note: large log class does not apply)

#### Weediness:

**LF Code Typical Weed Species Common Name** Invasive **Impact** MH Hypochoeris radicata Cat's Ear high low MNG Vulpia myuros Rat's-tail Fescue high low

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Woodland to 15 m tall generally occupying low energy streams of the foothills and plains. The lower strata are variously locally dominated by a range of large and medium shrub species on the stream levees in combination with large tussock grasses and sedges in the ground layer.

#### Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70
 15 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name20%Eucalyptus ovataSwamp GumEucalyptus radiata s.l.Narrow-leaf Peppermint

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	4	30%	T
Medium Shrub	5	20%	MS
Small Shrub	1	1%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	7	10%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	15%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	5	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	10%	BL

LF Code  T T T MS MS LH MH MH LTG LTG LTG LTG LTG MTG MTG	Species typical of at least part of EVC range Acacia melanoxylon Melaleuca ericifolia Leptospermum lanigerum Leptospermum continentale Coprosma quadrifida Senecio minimus Gonocarpus tetragynus Acaena novae-zelandiae Hydrocotyle hirta Dichondra repens Carex appressa Cyperus lucidus Lepidosperma elatius Juncus procerus Themeda triandra Lomandra filiformis	Common Name Blackwood Swamp Paperbark Woolly Tea-tree Prickly Tea-tree Prickly Currant-bush Shrubby Fireweed Common Raspwort Bidgee-widgee Hairy Pennywort Kidney-weed Tall Sedge Leafy Flat-sedge Tall Sword-sedge Tall Rush Kangaroo Grass Wattle Mat-rush
		3



# EVC 83: Swampy Riparian Woodland - Strzelecki Ranges bioregion

#### **Recruitment:**

Continuous

#### **Organic Litter:**

20 % cover

#### Logs:

20 m/0.1 ha.

#### Weediness:

LF Code	Typical Weed Species	<b>Common Name</b>	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
LH	Sonchus oleraceus	Common Sow-thistle	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	high
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high
MTG	Briza maxima	Large Quaking-grass	high	low

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For more information contact: Customer Service Centre, 136 186

Open forest to 20 m tall often above a heathy shrub layer and a diverse grassy, sedgy and herbaceous ground layer. Occurs on lowland plains and old river terraces made up of gravelly sandy clays.

#### Large trees:

**Species**DBH(cm) #/ha
Eucalyptus spp.
70 cm
20 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name30%Eucalyptus muellerianaYellow StringybarkEucalyptus bridgesiana s.l.But ButEucalyptus obliquaMessmateEucalyptus radiata s.l.Narrow-leaf Peppermint

Life form	#Spp	%Cover	LF code	
Immature Canopy Tree		5%	IT	
Understorey Tree or Large Shrub	3	15%	T	
Medium Shrub	6	20%	MS	
Small Shrub	3	5%	SS	
Prostrate Shrub	2	5%	PS	
Large Herb	3	5%	LH	
Medium Herb	6	10%	MH	
Small or Prostrate Herb	2	5%	SH	
Large Tufted Graminoid	2	10%	LTG	
Large Non-tufted Graminoid	1	5%	LNG	
Medium to Small Tufted Graminoid	4	15%	MTG	
Medium to Tiny Non-tufted Graminoid	2	1%	MNG	
Ground Fern	2	10%	GF	
Bryophytes/Lichens	na	10%	BL	



# EVC 151: Plains Grassy Forest – Strzelecki Ranges bioregion

LF_Code	Species typical of at least part of EVC range	Common Name
T _	Acacia mearnsii	Black Wattle
T	Acacia implexa	Lightwood
Т	Exocarpos cupressiformis	Cherry Ballart
MS	Leptospermum continentale	Prickly Tea-tree
MS	Banksia marginata	Silver Banksia
MS	Kunzea ericoides	Burgan
MS	Melaleuca parvistaminea	Rough-barked Honey-myrtle
SS	Pimelea humilis	Common Rice-flower
SS	Hibbertia riparia	Erect Guinea-flower
SS	Platylobium obtusangulum	Common Flat-pea
SS	Phyllanthus hirtellus	Thyme Spurge
PS	Acrotriche serrulata	Honey-pots
PS	Bossiaea prostrata	Creeping Bossiaea
PS	Astroloma humifusum	Cranberry Heath
LH	Tricoryne elatior	Yellow Rush-lily
LH	Wahlenbergia gracilis s.l.	Sprawling Bluebell
MH	Poranthera microphylla	Small Poranthera
MH	Hypericum gramineum	Small St John's Wort
MH	Hydrocotyle hirta	Hairy Pennywort
MH	Gonocarpus tetragynus	Common Raspwort
SH	Dichondra repens	Kidney-weed
SH	Oxalis corniculata s.l.	Yellow Wood-sorrel
SH	Opercularia varia	Variable Stinkweed
LTG	Xanthorrhoea minor ssp. lutea	Small Grass-tree
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LNG	Gahnia radula	Thatch Saw-sedge
MTG	Themeda triandra	Kangaroo Grass
MTG	Poa australis spp. agg.	Tussock Grass
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Lepidosperma laterale	Variable Sword-sedge
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Entolasia marginata	Bordered Panic
GF	Pteridium esculentum	Austral Bracken

#### **Recruitment:**

Continuous

#### **Organic Litter:**

20 % cover

#### Logs:

20 m/0.1 ha.

#### Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Centaurium tenuiflorum	Slender Centaury	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low

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# EVC 161: Coastal Headland Scrub

#### **Description:**

Scrub or low shrubland to 2 m tall on steep, rocky coastal headlands often associated with cliffs exposed to the stresses of extreme salt-laden winds and salt spray from the south west.

#### Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	7	50%	MS
Small Shrub	2	5%	SS
Large Herb	2	1%	LH
Medium Herb	4	5%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		70%	

LF Code  MS  MS  MS  MS  SS  SH  MTG  MTG	Species typical of at least part of EVC range Leptospermum laevigatum Acacia longifolia ssp. sophorae Rhagodia candolleana ssp. candolleana Leucopogon parviflorus Leucophyta brownii Dichondra repens Disphyma crassifolium ssp. clavellatum Dianella brevicaulis Lachnagrostis billardierei s.l.	Common Name Coast Tea-tree Coast Wattle Seaberry Saltbush Coast Beard-heath Cushion Bush Kidney-weed Rounded Noon-flower Small-flower Flax-lily Coast Blown-grass
MTG MTG MNG SC	Poa poiformis Austrodanthonia caespitosa Ficinia nodosa Clematis microphylla	Coast Tussock-grass Common Wallaby-grass Knobby Club-sedge Small-leaved Clematis
SC	Tetragonia implexicoma	Bower Spinach

#### Recruitment:

Continuous

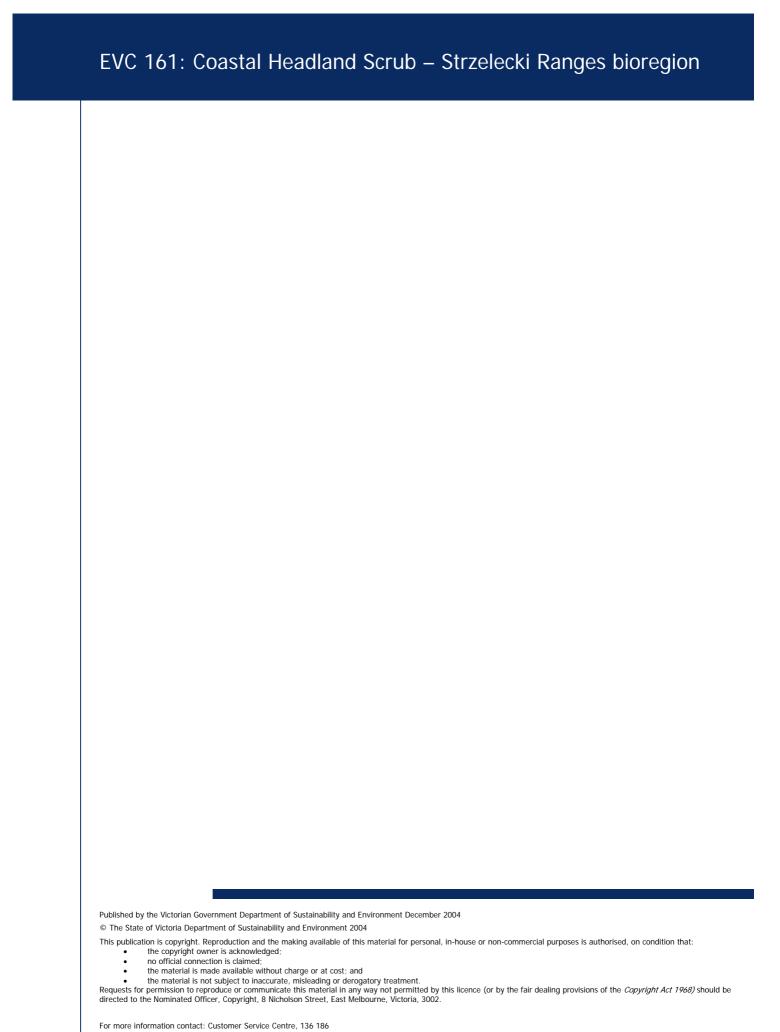
#### Organic Litter:

40 % cover

#### Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Chrysanthemoides monilifera	Boneseed	high	high
MS	Polygala myrtifolia var. myrtifolia	Myrtle-leaf Milkwort	high	high
LH	Sonchus oleraceus	Common Sow-thistle	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MTG	Ehrharta erecta var. erecta	Panic Veldt-grass	high	high





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# EVC 163: Coastal Tussock Grassland

#### **Description:**

A tussock grassland that may contain emergent shrubs. Occurs on exposed coastal cliffs and bluffs. Soils are saline and the strong salt-laden winds preclude tree growth.

#### **Life Forms:**

Life form	#Spp	%Cover	LF code
Medium Shrub	3	20%	MS
Small Shrub	1	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	10%	LTG
Medium to Small Tufted Graminoid	4	25%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

LF Code MS	Species typical of at least part of EVC range Leucopogon parviflorus	Common Name Coast Beard-heath
MS	Correa alba	White Correa
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Samolus repens	Creeping Brookweed
MH	Asperula conferta	Common Woodruff
MH	Daucus glochidiatus	Austral Carrot
SH	Selliera radicans	Shiny Swamp-mat
LTG	Gahnia trifida	Coast Saw-sedge
LTG	Austrostipa stipoides	Prickly Spear-grass
LTG	Dichelachne crinita	Long-hair Plume-grass
MTG	Poa poiformis	Coast Tussock-grass
MTG	Schoenus apogon	Common Bog-sedge
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MTG	Lepidosperma gladiatum	Coast Sword-sedge
MNG	Baumea juncea	Bare Twig-sedge

## **Recruitment:**

Continuous

#### **Organic Litter:**

20 % cover

#### Weediness:

LF Code	Typical Weed Species	<b>Common Name</b>	Invasive	Impact
LH	Sonchus oleraceus	Common Sow-thistle	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Anagallis arvensis	Pimpernel	high	low
MH	Plantago coronopus	Buck's-horn Plantain	high	low
MH	Leontodon taraxacoides ssp. taraxacoides	Hairy Hawkbit	hiah	low





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A dense shrubland to 6 m tall growing on waterlogged substrates often with a peaty surface horizon. Emergent eucalypts may be occasionally present. The understorey is often species-poor and consists typically of sedges tolerant of seasonal waterlogging. Occurs along creeks and minor stream tributaries of the lowland plains.

#### **Canopy Cover:**

%cover	Character Species	Common Name
50%	Melaleuca squarrosa	Scented Paperbark
	Leptospermnum continentale	Prickly Tea-tree

#### **Understorey:**

muerstorey.			
Life form	#Spp	%Cover	LF code
Medium Shrub	3	10%	MS
Small Shrub	1	1%	SS
Large Herb	2	5%	LH
Medium Herb	1	1%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	3	10%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	1	1%	MTG
Medium to Tiny Non-tufted Graminoid	3	15%	MNG
Ground Fern	1	5%	GF
Bryophytes/Lichens	na	20%	BL
Total understorey projective foliage cover		<b>70</b> %	

F C- J-	

LF Code	Species typical of at least part of EVC range	<b>Common Name</b>
MS	Banksia marginata	Silver Banksia
MS	Acacia verticillata	Prickly Moses
MS	Ozothamnus rosmarinifolius	Rosemary Everlasting
LH	Villarsia reniformis	Running Marsh-flower
LTG	Gahnia sieberiana	Red-fruit Saw-sedge
LTG	Gahnia clarkei	Tall Saw-sedge
LTG	Baloskion tetraphyllum ssp. tetraphyllum	Tassel Cord-rush
LNG	Lepidosperma longitudinale	Pithy Sword-sedge
MNG	Baumea tetragona	Square Twig-sedge
MNG	Schoenus brevifolius	Zig-zag Bog-sedge
MNG	Empodisma minus	Spreading Rope-rush
SC	Cassytha glabella	Slender Dodder-laurel

#### **Recruitment:**

Continuous

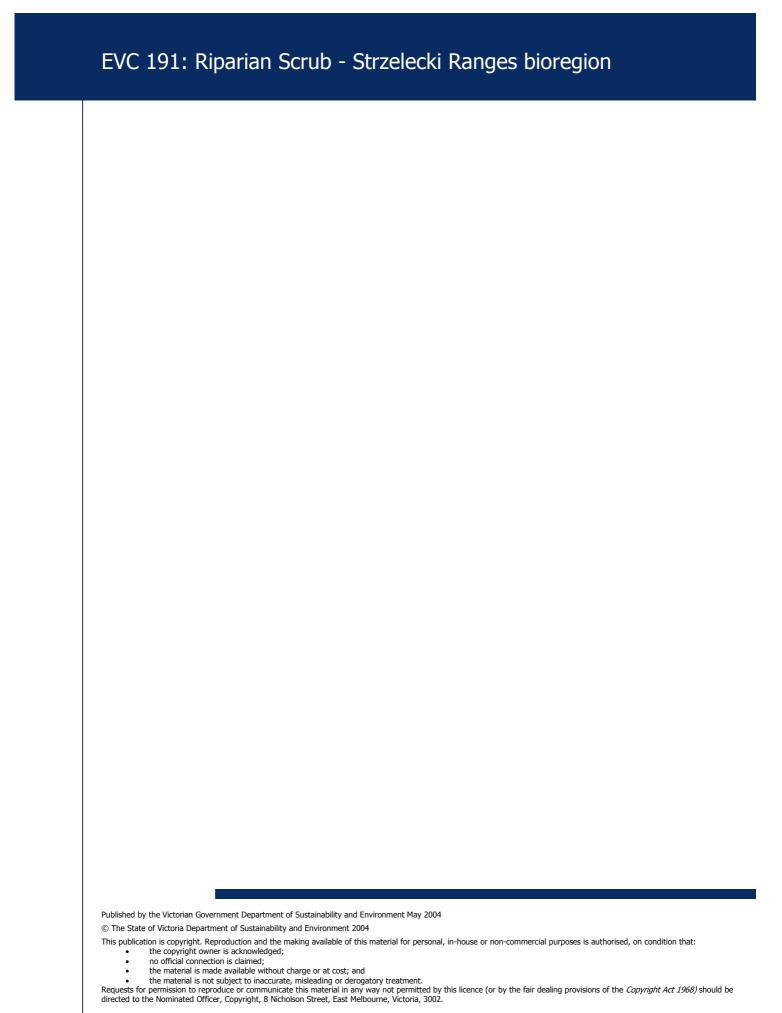
#### **Organic Litter:**

40 % cover

#### Weediness:

There are no consistent weeds in this EVC.





For more information contact: Customer Service Centre, 136 186

## EVC 233: Wet Sands Thicket

#### **Description:**

Dense, impenetrable heathy scrub to 5 m tall with occasional emergent eucalypts. Occurs on Tertiary outwash geology on deep sandy grey loams to sands.

#### Lifeforms:

Life form	#Spp	%Cover	LF code
Medium Shrub	5	50%	MS
Small Shrub	4	10%	SS
Medium Herb	2	1%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	1	1%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	1	1%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	10%	BL

LF Code		Species typical of at least part of EVC range	Common Name
MS		Acacia verticillata	Prickly Moses
MS		Leptospermum continentale	Prickly Tea-tree
MS		Pimelea linifolia	Slender Rice-flower
MS	r	Monotoca glauca	Currant-wood
SS		Leucopogon australis	Spike Beard-heath
SS		Dillwynia glaberrima	Smooth Parrot-pea
SS		Bauera rubioides	Wiry Bauera
SS		Amperea xiphoclada var. xiphoclada	Broom Spurge
MH		Selaginella uliginosa	Swamp Selaginella
SH		Mitrasacme pilosa var. pilosa	Hairy Mitrewort
LTG		Gahnia sieberiana	Red-fruit Saw-sedge
MTG		Patersonia fragilis	Short Purple-flag
MNG		Tetrarrhena distichophylla	Hairy Rice-grass
GF		Lindsaea linearis	Screw Fern
SC		Cassytha glabella	Slender Dodder-laurel

#### Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

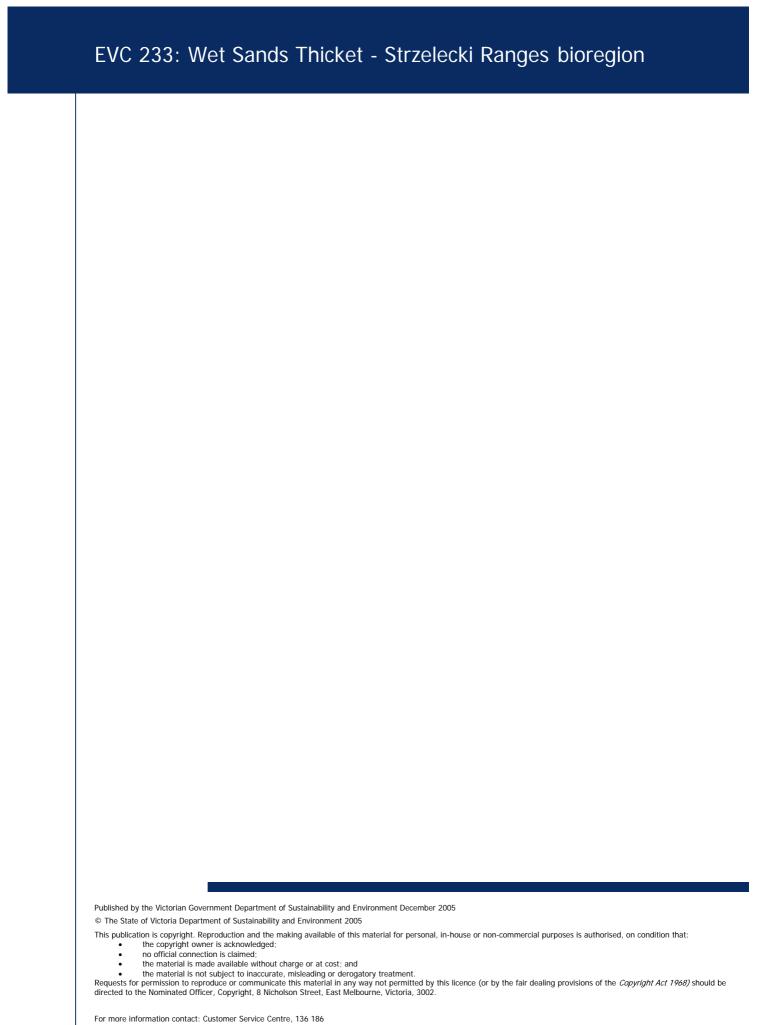
## Organic Litter:

40 % cover

#### Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Coprosma repens	Mirror Bush	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Lotus uliginosus	Greater Bird's-foot Trefoil	high	low
MH	Centaurium erythraea	Common Centaury	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	low
SC	Rubus sp. aff. armeniacus	Blackberry	high	high





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Woodland to 10 m tall with tall dense heathy understorey which becomes tall scrub if long unburnt in high rainfall areas. The ground layer consists of grasses, herbs, small shrubs and tough-leaved monocots. Developed on sandy soils of moderate to low fertility, typically wet in winter due to impeding layer in soil and dry in summer.

#### Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 60 cm
 10 / ha

#### Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus cephalocarpa s.l.Mealy StringybarkEucalyptus radiata s.l.Narrow-leaf PeppermintEucalyptus ovataSwamp Gum

#### **Understorey:**

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	5	30%	MS
Small Shrub	4	5%	SS
Prostrate Shrub	2	1%	PS
Medium Herb	3	5%	MH
Small or Prostrate Herb	3	20%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	3	10%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Ground Fern	1	5%	GF
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	10%	S/C

LF Code	Species typical of at least part of EVC range	Common Name
MS	Leptospermum continentale	Prickly Tea-tree
MS	Epacris impressa	Common Heath
MS	Banksia marginata	Silver Banksia
MS	Kunzea ericoides	Burgan
SS	Hibbertia riparia	Erect Guinea-flower
SS	Hovea heterophylla	Common Hovea
PS	Acrotriche serrulata	Honey-pots
MH	Gonocarpus tetragynus	Common Raspwort
SH	Drosera whittakeri ssp. aberrans	Scented Sundew
LTG	Xanthorrhoea minor ssp. lutea	Small Grass-tree
MTG	Themeda triandra	Kangaroo Grass
MTG	Lepidosperma filiforme	Common Rapier-sedge
GF	Pteridium esculentum	Austral Bracken
SC	Cassytha glabella	Slender Dodder-laurel

#### Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

#### **Organic Litter:**

20 % cover

#### Logs:

10 m/0.1 ha.

#### Weediness:

LF Code Typical Weed Species Common Name Invasive Impact

MH Hypochoeris radicata Cat's Ear high low



# EVC 793: Damp Heathy Woodland - Strzelecki Ranges bioregion

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Open eucalypt woodland to 15 m tall with ground-layer dominated by tussock grasses and/or sedges and often rich in herbs. Occurs on poorly drained, seasonally waterlogged heavy soils, primarily on swamp deposits but extending to suitable substrates within some landscapes of sedimentary origin.

#### Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 15 / ha

#### **Tree Canopy Cover:**

%coverCharacter SpeciesCommon Name15%Eucalyptus ovataSwamp GumEucalyptus cephalocarpa s.s.Mealy StringybarkEucalyptus radiata s.l.Narrow-leaf PeppermintEucalyptus obliquaMessmate Stringybark

#### **Understorey:**

<b>Life form</b> Immature Canopy Tree	#Spp	%Cover 5%	<b>LF code</b> IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	2	20%	MS
Medium Herb	5	10%	MH
Small or Prostrate Herb	3	10%	SH
Large Tufted Graminoid	4	30%	LTG
Large Non-tufted Graminoid	2	10%	LNG
Medium to Small Tufted Graminoid	4	10%	MTG
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	<b>Common Name</b>
T	Melaleuca ericifolia	Swamp Paperbark
MS	Leptospermum continentale	Prickly Tea-tree
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Centella cordifolia	Centella
MH	Gratiola peruviana	Austral Brooklime
SH	Mazus pumilio	Swamp Mazus
LTG	Gahnia sieberiana	Red-fruit Saw-sedge
LTG	Poa labillardierei	Common Tussock-grass
LTG	Carex appressa	Tall Sedge
LNG	Gahnia radula	Thatch Saw-sedge
LNG	Phragmites australis	Common Reed
MTG	Schoenus apogon	Common Bog-sedge
MTG	Lepidosperma laterale	Variable Sword-sedge
MNG	Poa tenera	Slender Tussock-grass
MNG	Juncus holoschoenus	Joint-leaf Rush

#### Recruitment:

Continuous

#### **Organic Litter:**

20 % cover

#### Logs:

15 m/0.1 ha.



# EVC 937: Swampy Woodland – Strzelecki Ranges bioregion

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LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rubus sp. aff. armeniacus	Blackberry	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high

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